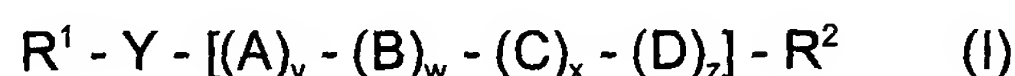


## Claims

1. A liquid washing, cleaning, disinfecting or bleaching composition comprising amphiphilic copolymers which include structural units derived from
  - a) acryloyldimethyltauric acid in free form, partially neutralized form or completely neutralized form with monovalent or divalent inorganic or organic cations, and
  - b) at least one hydrophobic comonomer based on ethylenically unsaturated polyalkylene alkoxyates, and optionally
  - c) further at least monovinylally unsaturated comonomers different from a) and b).
2. The liquid washing, cleaning, disinfecting or bleaching composition as claimed in claim 1, in which the copolymers have a molecular weight  $M_w$  of from  $10^3$  g/mol to  $10^9$  g/mol.
3. The liquid washing, cleaning, disinfecting or bleaching composition as claimed in claim 1 and/or 2, in which the acryloyldimethyltaurates (structural unit a) are  $\text{Li}^+$ ,  $\text{Na}^+$ ,  $\text{K}^+$ ,  $\text{Mg}^{++}$ ,  $\text{Ca}^{++}$ ,  $\text{Al}^{+++}$ ,  $\text{NH}_4^+$ , monoalkylammonium, dialkylammonium, trialkylammonium and/or tetraalkylammonium salts, where the alkyl substituents of the amines are, independently of one another, ( $\text{C}_1$ - $\text{C}_{22}$ )-alkyl radicals, which may optionally be occupied by up to 3 ( $\text{C}_2$ - $\text{C}_{10}$ )-hydroxyalkyl groups.
4. The liquid washing, cleaning, disinfecting or bleaching composition as claimed in one or more of claims 1 to 3, in which, based on the total mass of the copolymers, the content of acryloyldimethyltauric acid or acryloyldimethyltaurates is 0.1 to 99.9% by weight.

5. The liquid washing, cleaning, disinfecting or bleaching composition as claimed in one or more of claims 1 to 4, in which the macromonomers b) used are compounds according to formula (I)



in which

$R^1$  is a function capable of polymerization from the group of vinylically unsaturated compounds which is suitable for building up polymeric structures in a free-radical manner,

$R^2$  is a linear or branched aliphatic, olefinic, cycloaliphatic, arylaliphatic or aromatic ( $C_1$ - $C_{50}$ )-hydrocarbon radical, OH,  $-NH_2$ ,  $-N(CH_3)_2$  or is the structural unit  $[-Y-R^1]$ ,

Y is  $-O-$ ,  $-C(O)-$ ,  $-C(O)-O-$ ,  $-S-$ ,  $-O-CH_2-CH(O-)-CH_2OH$ ,  $-O-CH_2-CH(OH)-CH_2O-$ ,  $-O-SO_2-O-$ ,  $-O-SO-O-$ ,  $-PH-$ ,  $-P(CH_3)-$ ,  $-PO_3-$ ,  $-NH-$  and  $-N(CH_3)-$ ,

A, B, C and D are derived from acrylamide, methacrylamide, ethylene oxide, propylene oxide, AMPS, acrylic acid, methacrylic acid, methyl methacrylate, acrylonitrile, maleic acid, vinyl acetate, styrene, 1,3-butadiene, isoprene, isobutene, diethylacrylamide and diisopropylacrylamide,

v, w, x and z, independently of one another are 0 to 500, where the sum of the four coefficients must on average be  $\geq 1$ .

6. The liquid washing, cleaning, disinfecting or bleaching composition as claimed in one or more of claims 1 to 5, in which the molecular weight of the macromonomers b) is 200 g/mol to  $10^6$  g/mol.

7. The liquid washing, cleaning, disinfecting and bleaching composition as

claimed in one or more of claims 1 to 6, in which the comonomers c) used are olefinically unsaturated monomers chosen from N-vinylformamide (VIFA), N-vinylmethylformamide, N-vinylmethylacetamide (VIMA) and N-vinylacetamide; cyclic N-vinylamides (N-vinyllactams) with a ring size from 3 to 9, preferably N-vinylpyrrolidone (NVP) and N-vinylcaprolactam; amides of acrylic acid and methacrylic acid, preferably acrylamide, methacrylamide, N,N-dimethylacrylamide, N,N-diethylacrylamide and N,N-diisopropylacrylamide; alkoxylated acrylamides and methacrylamides, preferably hydroxyethyl methacrylate, hydroxymethylmethacrylamide, hydroxyethylmethacrylamide, hydroxypropylmethacrylamide and succinic mono-[2-(methacryloyloxy)ethyl ester]; N,N-dimethylaminomethacrylate; diethylaminomethyl methacrylate; acryl- and methacrylamidoglycolic acid; 2- and 4-vinylpyridine; vinyl acetate; glycidyl methacrylate; styrene; acrylonitrile; stearyl acrylate; lauryl methacrylate.